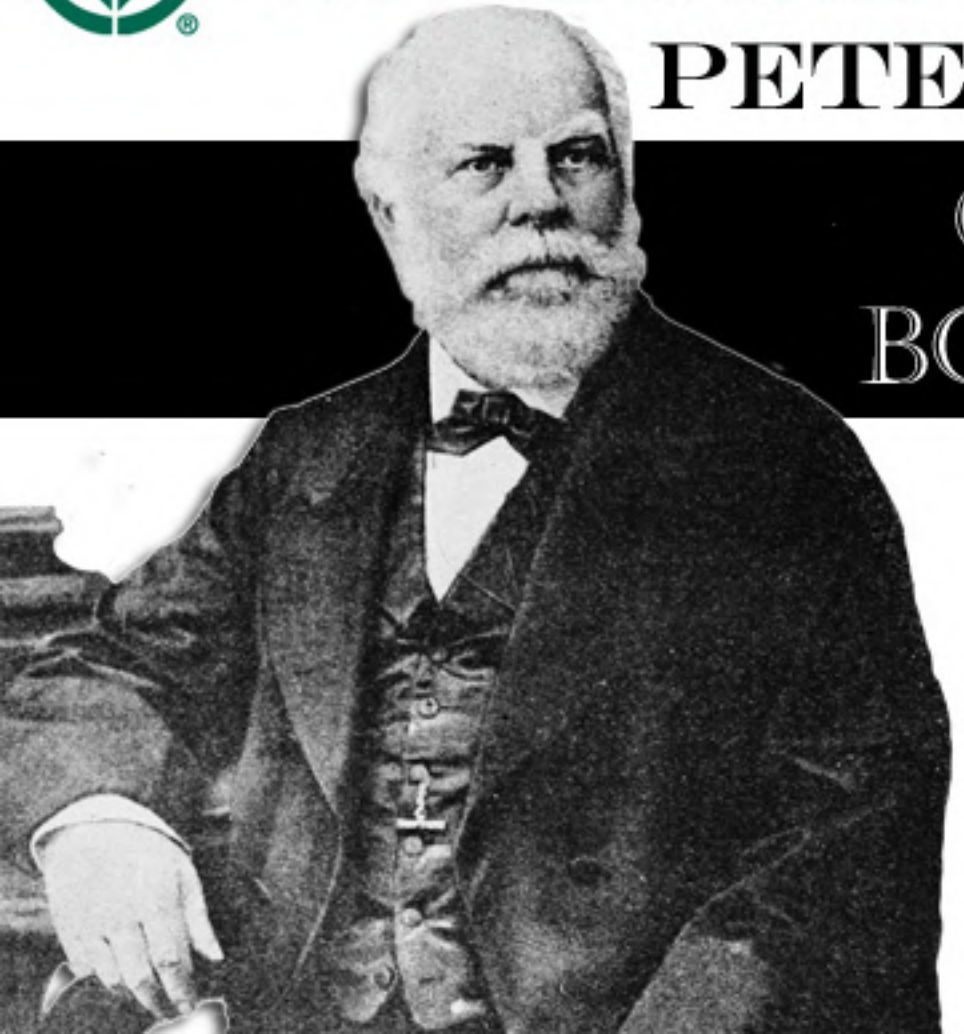
Missouri Botanical Garden

Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

"Rhipsalis Saglionis"

Hort Vilers del
Paris April 2 1869
Sent 4 Apl

5–6 scales on ovary, covered with villous wool
5–6 sepals on short tube
8 obtuse white petals
4 stigmata 2–3 mm long reversed

nectarian cavity at base of tube very distinct, about 1½ mm long, as long and even longer than the many mamillaire but staminate part of tube extremely short. Dilated bases of stamens in 2–3 series, close together.

Note upon Ph. muzembrathi no 5

2298

×2

×4

naked nectarian base of tube

scar of ovary ×10

×30

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

2298A

HARDY GHENT AZALEAS.

Superb mixture of the choicest varieties, strong plants 4 to 5 years old, covered with buds.

Per 50 . . . . . 32/.
Per 100 . . . . . 60/.

AZALEA MOLLIS.

New Japan quite hardy tribe.

See FLORE, XIX, page 177 to 183.

Quite a novel tribe, beautiful habit, large foliage, first rate large flowers of all hues, in red, white, yellow, primrose, flesh-coloured tints. These flowers, of perfect form and **as large as those of the Hardy Rhododendrons,** are most brilliant and can *nowhere else* be offered in varieties. Azalea mollis were raised from seeds imported from Japan by C. MAXIMOWICZ, and are described by SIEBOLD et ZUCCARINI (*Abh. der Bayr. Akad. Math.*, Cl. IV, p. 131. — MIQ. *Ann. Lugd. Bat* , I, p. 33. — REGEL, *Gartenflora,* XVI, 1867, p. 289). Four varieties of the same type are to be seen in the XIXth vol., page 177 to 183, of the FLORE DES SERRES.

THE ***AZALEA MOLLIS*** IS ALSO A FIRST-RATE FORCING PLANT.

6 sorts in plants of 1 to 4 branches . . . . . 24/.
12 — — 1 to 4 — . . . . . 48/.
6 — — 5 to 10 — with buds. . . . . 44/.

N°

326. **Alphonse Lavallée** (*Van Houtte*). Very large flower trusses, lively orange, heavily shaded with scarlet and spotted with citron.
327. **Baron de Constant Rebecque** („). Dark nankeen, merging into bright nankeen and spotted with lively orange.
328. **Baron Edmond de Rothschild** („). Red, heavily spotted with yolk yellow.
329. **Charles Kékulé** („). Orange salmon, edges of the lobes brighter, spotted with dark orange.
330. **Ch. François Luppis** („). Rose, shaded with magenta and spotted with orange, large trusses of very large flowers.
331. **Chevalier A. de Reali** („). Straw white, merging into creamy yellow, spotted with orange.
333. **Comte de Gomer** („). Beautiful lively rose with orange spots, very large trusses of enormous flowers.
332. **Comte Papadopoli** („). Large trusses of a fine rose colour, shaded with orange on the five lobes and spotted with dark orange.
334. **Comte de Quincey** („). Bright yellow, shaded with golden yellow and with orange spots, large trusses of large flowers.
335. **Consul Cérésole** („). Bright red, shaded with rose and spotted with lively orange.
336. **Consul Pêcher** („). Lively rose, spotted with dark orange, large trusses of very large flowers.
337. **Dr Léon Vignes** („). Flowers large, white, shaded with bright nankeen and spotted with orange.
338. **Ebenezer Pike** („). Salmon red, shaded with rose and spotted with orange, trusses large.
339. **Ernest Bach** („). Flowers very large, very bright salmon, slightly shaded with orange and spotted with olive green.
340. **Isabelle Van Houtte** („). Flowers very large, beautiful dark nankeen, spotted with orange.
341. **Mad. Caroline Legrelle-Dhanis** („). Rose, stained with salmon at the centre of every lobe and spotted with orange, trusses very large.

0 1 2 3 4 5 6 7 8 9 10
cm
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N°

218. **Grandeur triomphante**. Deep amaranth, shaded with orange, a unique colour, pretty large trusses of large flowers.
219. **Bijou des amateurs**. Fine bright magenta rose, shaded with deep yellow, large trusses of very large flowers.
221. **Mad. Gustave Guilmot**. Bright rose, shaded with blood red and spotted with yellow, very large trusses of medium-sized flowers.
222. **Heureuse surprise**. Milky white, shaded with lively rose, and spotted with dark nankeen, very large trusses of large flowers.
223. **Imperatrix**. Nankeen, shaded with salmon, large trusses of medium-sized flowers.
225. **Gloire de Belgique**. Flesh rose, shaded with white and spotted with saffron, very large trusses of large flowers.
226. **Imperator**. Lively salmon, heavily spotted with chrome yellow, large trusses of medium-sized flowers.
227. **Gloire d'un parterre**. Rosy white, the upper lobes entirely yellow, large trusses of very large flowers.
228. **La surprise**. Orange vermilion, spotted with saffron, large trusses of large flowers.
232. **Roi des Belges**. Fine peach rose, spotted with lively yellow, large trusses of large flowers.
233. **Jenny Lind**. Nankeen rose, upper lobes golden yellow, very large trusses of very large flowers.
234. **Remarquable**. Orange rose, spotted with yolk yellow, very large trusses of medium-sized flowers.
237. **Adorée**. Very large trusses of creamy white flowers.
238. **Aurore de Royghem**. Nankeen, shaded with orange, upper lobes darker, large trusses of very large flowers.
239. **Belle Merveille**. Tender rose, upper lobes straw yellow, large trusses of large flowers.
240. **Unique**. Fine nankeen, shaded with orange, upper lobes yellow, large trusses of large flowers.
241. **Excellente**. Pure white, upper lobes straw yellow, trusses and flowers medium-sized.
242. **Rembrandt**. Crimson, shaded with violet, large trusses of medium-sized flowers.
244. **Amélie**. Cinnabar red with orange reflex, large trusses of large flowers.
246. **Rose Marie**. Large trusses of red flowers.
250. **Rebecca**. Tender rose, upper lobes spotted with straw yellow, large trusses of large flowers.
252. **Magnificens**. Rose, shaded with white and spotted with chrome yellow, very large trusses of medium-sized flowers.
253. **Charlemagne**. Bright orange, spotted with deep orange, very large truss of large flowers.
255. **Norbert Cornelissen**. Very bright nankeen, spotted with deep orange, large trusses of medium-sized flowers.
256. **Baron G. Pycke**. Deep nankeen, spotted with bright orange, large trusses of medium-sized flowers.
257. **J.-B. Van Mons**. Salmon orange, spotted with saffron, large trusses of large flowers.
258. **Scheldebloem**. Bright salmon, spotted with dark nankeen, flowers large.
259 **Formosissima**. Bright nankeen, edged with salmon, upper lobes darker, large trusses of large flowers.
260. **Beauté de Flandre**. Salmon red, spotted with dark yellow, flowers large.
261. **Pallidiflora**. Cream, edged with salmon and spotted with bright nankeen, large trusses of medium-sized flowers.
263. **Nobilis**. Milky white, shaded with rose and spotted with bright nankeen, large trusses of medium-sized flowers.
264. **Aureo-rosea**. Orange, shaded with salmon and spotted with chrome yellow, flowers large.
265. **Marie de Bourgogne**. Tender rose, spotted with dark nankeen, large flowers.
267. **Amabilis**. Lively rose, spotted with dark yellow, large trusses of large flowers.
268. **Roi des feux**. Fiery red, spotted with orange, large trusses of large flowers.
270. **Fanny**. Nankeen, spotted with orange, very large trusses.
271. **Canari**. Fine canary yellow, marbled with red, large trusses.
272. **Andalouse**. Salmon, shaded with red and spotted with apricot yellow, large trusses of large flowers.
274. **Miniata floribunda**. Minium red, upper lobes spotted with orange, large trusses of large, pretty flat and well-shaped flowers.

0 1 2 3 4 5 6 7 8 9 10
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2299

Hot bed Monach Aug 11 1869

"Thipsalis Saglobris" is here the plant which sometimes makes long naked shoots and then again moulded much branched parts

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Hort Dyck Jan. 1857.

Thysiella Saglionis is a very pretty plant, now round with pendulous white flowers, Ovar. scaly, globose stamina on the same line with the petals, in one ring, leaving the base of the tube free, glandulous rig- ulate 3 or 4 rounded.

2300

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Echinopsis multiplex ri. ver
robel flowering plant. —

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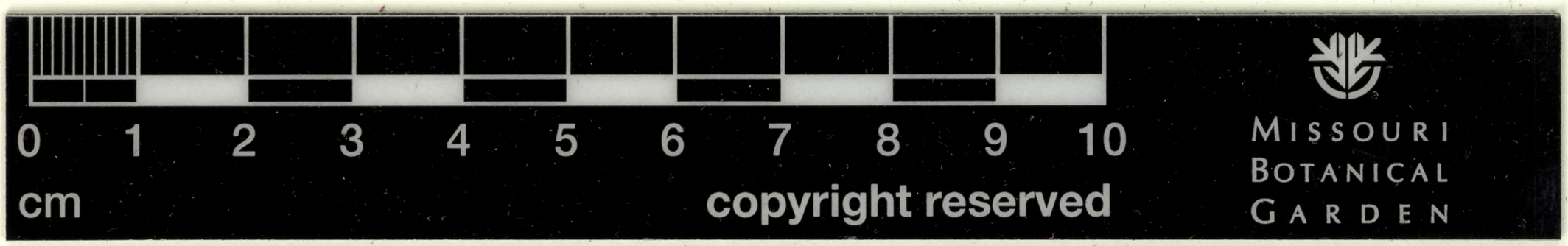

Rhipsalis mesembrianthemoides

HBS Rep. Jan 7 1869

2301

(in the house)

In the flower fig 1 I find one scale on side of ovary 2 small ones on top a middle sized one (seen in front, 4) a little larger one (behind, 5) and 4 petaloid ones — 9 phylla in all

In another flower bud (fig 2) I find only 8 phylla, one low down on side of ovary, 2 small and one larger sepaloid ones on top and 4 petaloid ones. — Petals acutish. obtuse

a third flower like 1.

Petals yellowish

stigmata short (1 mm) triangular erect, capitate or rather pyramidal

Section of ovary shows 4 prominent placentæ with ovules in part removed

0 1 2 3 4 5 6 7 8 9 10
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2301A

AZALEAS,
CAMELLIAS, RHODODENDRONS, ETC.,

GROWN BY

LOUIS VAN HOUTTE,

ROYAL NURSERIES,
GHENT (Belgium),

Editor and Proprietor of the FLORE DES SERRES ET DES JARDINS DE L'EUROPE.

AZALEAS.

HARDY GHENT AZALEAS,

CROWNED AT THE GRAND INTERNATIONAL EXHIBITIONS AT ANTWERP, BRUSSELS, ETC.

These hybrids derive from the Turkish *Azalea pontica*, artificially fecundated with various american types. From these, the Flemish have succeeded in raising a series of the most splendid hybrids universally known by the name GHENT AZALEAS. As the name indicates, it is to Ghent that the horticultural world is indebted for the immense variety of these large-flowering magnificent hybrids, which now form such an invaluable aid in the decoration of the flowergarden during the spring.

TO BE HAD FROM MIDDLE OF SEPTEMBER TILL MARCH.

LATEST NOVELTIES.

N°

352. **Louis Blommaert** (*Van Houtte*). Very large trusses of very double and well formed flowers, very spreading, magenta shaded rose, centre of petals lined white. — 5 to 10 branches, with buds : 8/.

84. **Diamant** (*Van Houtte*) (FLORE, XXI, 133). Large bouquets of white flowers with triple imperial, petals cherry, shaded black. — 1 to 2 branches : 4/; — 4 to 8 branches : 8/; — very bushy : 20/.

293. **sinensis alba grandiflora** (FLORE, XX, 151). Large compact pompone-flower, pure white, emitting an exquisite aroma. — 1 to 4 branches : 4/.

0 1 2 3 4 5 6 7 8 9 10 cm
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NOVELTIES.

Any variety . . . . . 6/6.
The collection of these 12 *sorts* . . . . . 40/.

☞ **N° 351, 353, 354, 356 and 361 have appeared in the XIX^th^ volume of the FLORE, page 151 to 161.**

N°

362. **Auguste Mechelynck** (*Van Houtte*). Flowers milky white with a lilac rose reflex, blotch ochre yellow. Medium truss.

353. **Bijou de Gendbrugge** (*Van Houtte*) (FLORE, XIX, 161). Flowers large, very double, sometimes intermixed with very large single-flowered ones, pure white, heavily bordered with bright rose. Large truss.

359. **Dr Auguste Cambier** (*Van Houtte*). Flowers very large, salmon red, shaded and tinted with violet, spotted with bright orange. Large truss.

358. **Domenico Scassi** (*Van Houtte*). Flowers very large, beautifully salmon rose, tinted with white and tipped with pure white, blotch chrome yellow. Large truss.

360. **Fidèle Mechelynck** (*Van Houtte*). Flowers large, of very good form, rose, shaded with salmon, blotch chrome yellow. Huge truss.

351. **François De Taye** (*VanHoutte*) (FLORE, XIX, 159). Flowers medium-sized, double, of a beautiful rose colour. Fine truss.

355. **Louis A. Van Houtte** (*Van Houtte*) (FLORE, XIX, 157). Flowers double, of a beautiful vermilion, the centre of the lobes flaked with orange; a unique colour. Large truss.

356. **Louis Hellebuyck** (*Van Houtte*) (FLORE, XIX, 151). Flowers very large, fiery vermilion, shaded with orange, lobes regularly flaked and dotted with pure white, blotch chrome yellow. Large truss.

361. **Mad. Alex. Hardy** (*Van Houtte*) (FLORE, XIX, 153). Flowers pure white, bordered with violet red, upper lobes slightly spotted with straw yellow. Very large truss.

357. **Rose de Flandre** (*Van Houtte*). Flowers bright rose, the third of every lobe flaked with pure white, blotch bright orange. Huge truss.

354. **Mina Van Houtte** (*Van Houtte*) (FLORE, XIX, 155). Flowers large, very double, rose, shaded with salmon, centre of the outer lobes flaked with white. Very strong truss.

363. **Sang de Gendbrugge** (*Van Houtte*). Flowers medium-sized, blood red, shaded with deep crimson, blotch fire red. Truss medium-sized.

MISSOURI BOTANICAL GARDEN
GEORGE ENG

HARDY AZALEAS FROM OTHER PLACES.

These are sold separately.

N°

277. **Bouquet de Flore** (FLORE, XXII). Salmon rose, centre of the lobes striated with white, upper lobes spotted with orange. — Plants of 1 to 3 branches : 1/3; — stronger, with buds : 2/6.

411. **Daviesi** (*Isaac Davies*). A fine variety with beautiful foliage, flowers large, pure white, blotch yellow : 5/.

276. **Fritz Quihou** (*Quihou*). Flowers splendid, of the most beautiful deep red. — Plants of 1 to 4 branches : 1/8; — of 5 to 10 branches : 4/.

404. **Nancy Waterer** (*Waterer*). Very fine form, large spreading flowers, nankeen yellow, imperial deep yellow. — 4/.

266. **Guelder Roos**. Very large round trusses of very large bright orange flowers, spotted with chrome yellow. — Plants of 1 to 4 branches : 1/8; — of 5 to 10 branches : 4/.

215. **Magnifica** (*William Rollisson and Sons*) (FLORE, XIII, 31). Bouquets of white flowers, marbled with carmine lines, large imperial orange petals.
We can supply this hardy hybrid in very strong plant at 8/.

0 1 2 3 4 5 6 7 8 9 10
cm
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Ah. flavescens 1113-6

Ah. pumilis

Lebourd p. 439 given to Ah. pumila flowers 22-25 mm diam

Stem 13 mm

stem bare 8-10 mm.

or (March 1877)

only 6-7

2302

Property of the Missouri Botanical Garden. Purchased by Director's Fund. 1913

2303 A

MISSOURI BOTANICAL GARDEN
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2.—*Monthly Mean of Temperature, Fahrenheit.*

MARCH.

YEAR.	6 A. M.	9 A. M.	12 M.	3 P. M.	6 P. M.	9 P. M.	MEAN OF MONTH
1861	37.1	41.1	48.2	51.6	47.6	43.4	44.8
1862	36.0	40.1	46.9	48.0	45.6	42.5	43.2
1863	36.7	40.9	47.5	49.5	46.1	42.3	43.6
1864	34.1	38.7	44.6	45.9	42.2	38.6	40.7
1865	38.9	43.8	50.3	52.5	49.7	45.0	46.7
Mean	36.6	40.9	45.1	49.5	46.2	42.4	43.8

APRIL.

1861	49.6	56.5	62.7	65.1	59.8	55.1	58.1
1862	46.5	53.3	59.5	60.8	57.6	52.3	55.0
1863	47.3	55.7	62.9	64.4	60.0	54.4	57.4
1864	45.0	50.8	55.3	56.6	54.1	49.5	51.4
1865	48.7	55.0	60.8	62.9	59.2	54.5	56.8
Mean	47.4	54.3	60.2	62.0	58.1	53.2	55.7

3.—*Monthly Mean of Relative Humidity.*

MARCH.

YEAR.	6 A. M.	9 A. M.	12 M.	3 P. M.	6 P. M.	9 P. M.	MEAN OF MONTH
1861	83.3	63.7	58.9	52.4	58.9	70.1	64.5
1862	85.1	76.2	64.4	60.4	65.5	73.0	70.8
1863	87.7	71.5	57.8	55.4	63.0	73.0	68.1
1864	85.6	69.5	59.3	58.8	68.8	78.1	70.0
1865	81.8	67.2	59.8	55.5	60.2	72.2	66.1
Mean	84.7	69.6	60.0	56.5	63.3	73.3	67.9

APRIL.

1861	77.4	62.4	53.2	51.7	57.3	67.2	61.5
1862	82.0	68.3	57.3	55.9	63.0	75.8	67.0
1863	76.5	57.8	46.9	43.9	53.0	65.4	57.2
1864	85.1	72.7	62.2	57.6	63.2	77.8	69.8
1865	80.4	66.3	57.3	56.3	63.5	77.2	66.8
Mean	80.3	65.5	55.4	53.1	60.0	72.7	64.5

0 1 2 3 4 5 6 7 8 9 10
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Rhizophalis floridana Sals. ?

March 19 1876

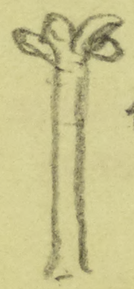
×4

Base of ovary surrounded by an illy-world and membranaceous scales

stamens few, perhaps 20-30

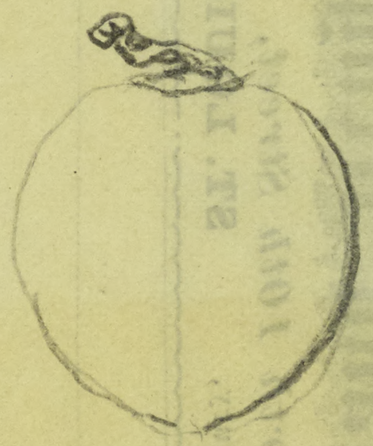
sepals 4-5 petals 4

Ht. 6-7 mm Diam



4 sprouting stout slightly

×4



white semi pellucid berry

2303

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Deutsche Apotheke.

GEO. UDE,

Apothecary and Druggist

No. 3610 North 10th Street,

Between Mallinckrodt and Salisbury, **ST. LOUIS, MO.**

No. *187*

For .....

℞.

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cm 0 1 2 3 4 5 6 7 8 9 10
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×4

Abjoclis frenchii

H&B. Mss. — ♂ fl. bloom — June

June 30 1865

2304

top view

a bowl scarious scale at base of ovary

a kind of Bract sometimes below, often lateral —

areola surrounded with a corona of hairs in single series

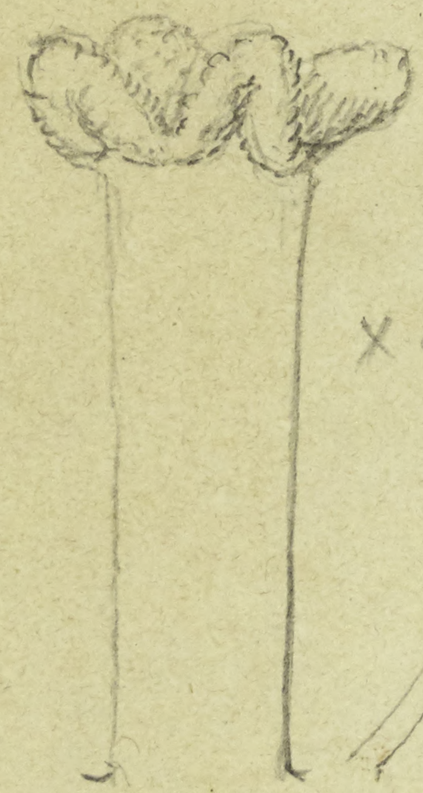
ovary naked

5 short ovate sepals (contiguous ciliate)

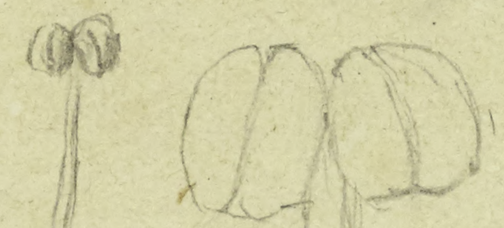
5 greenish sulphur petals

12–15 stamens;

thick style, 4 thick obtuse stigmas



×10



×30

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ALEX. LEITCH,

APOTHECARY & PHARMACEUTIST,

Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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2305

Rhipsalis funalis

H.B. Meissner

June 30, 1865

×30

×60

=0.033 lin

Pollen ×415

=0.029 lin

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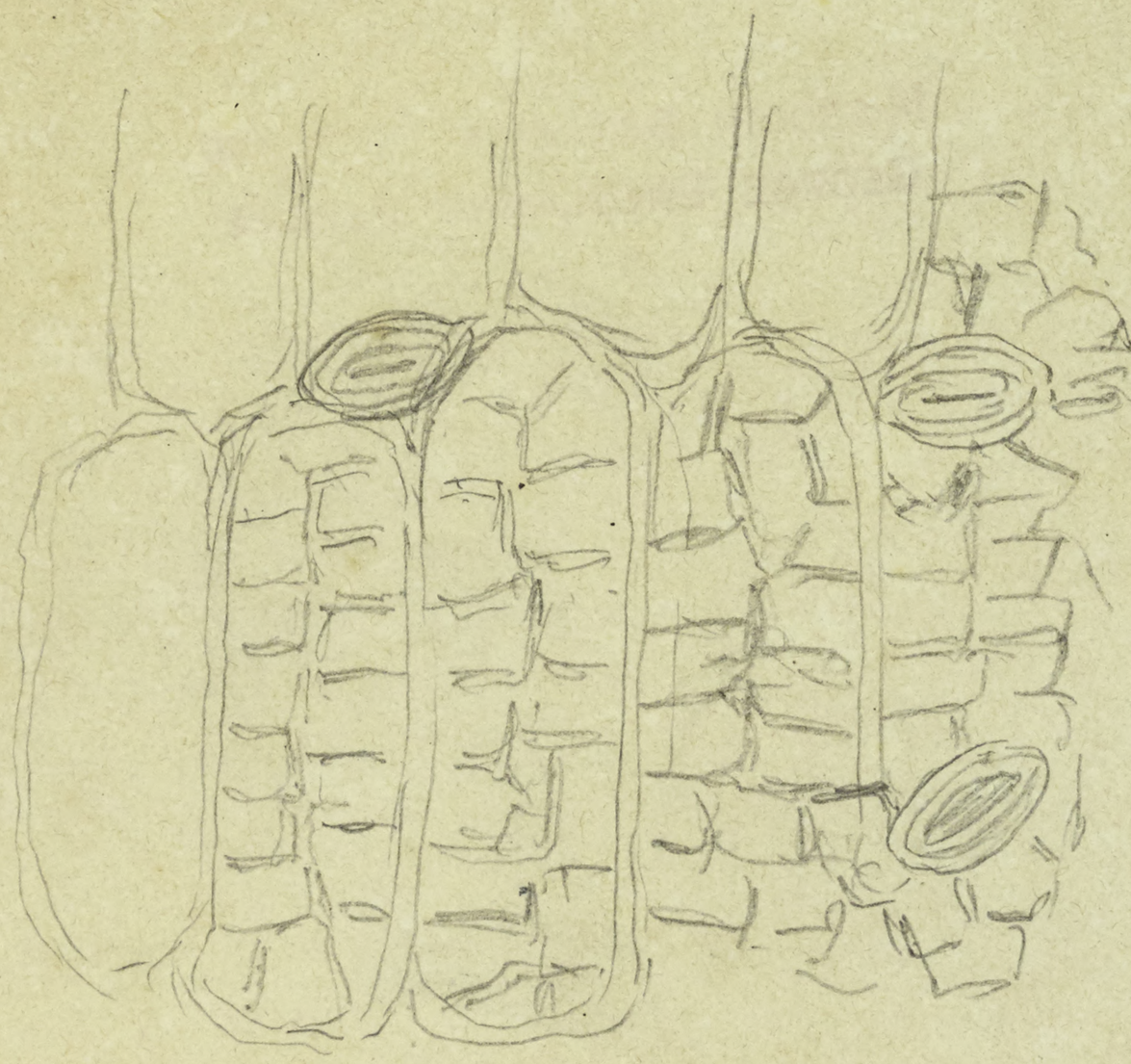
June 30 1864

Spidamia of Alpine forests.

Cells arranged in groups separated by wider
dark?



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Rhizophlis

HB. Mexico

May 10 1873

a little more slender than Rh. gracilis

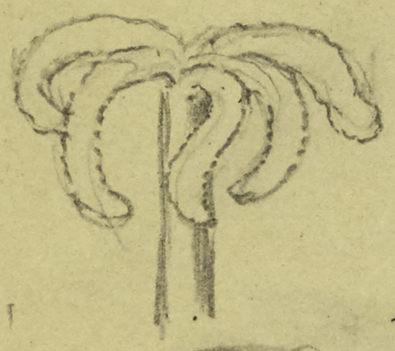
flowers

2307

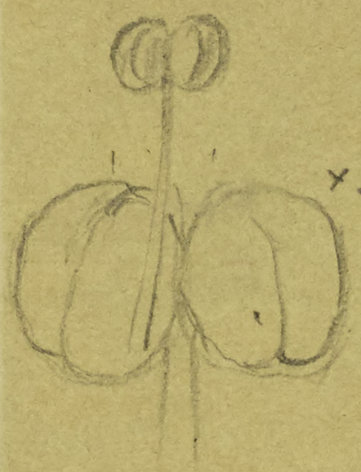
nat size

Diam 20 mm

stigmata ×4



anther ×10



×30

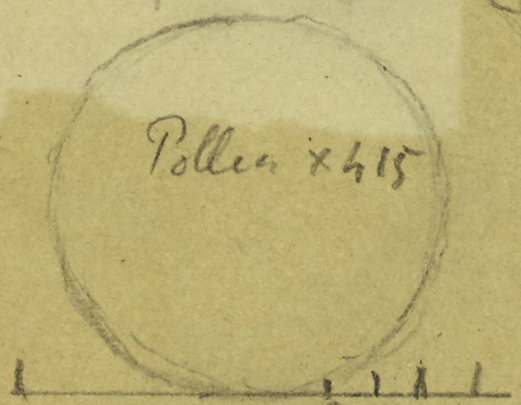
8-9 linear – oblong petals outer with red points, inner narrower white

8-9 sepals, red, outer short ovate, inner oblong, no scales on ovary

5-6 stigmata

(3) several scales at base of flower scarious, with very woolly axils – buds woolly in same manner

Pollen ×415



Diam of Pollen ×415

nat size

×2

sect

ovule ×60

×10

sect of ovary showing the upper sterile part of placenta

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Alex. Leitch,

APOTHECARY & CHEMIST,

Cor. 4th & Olive Sts., St. Louis.

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23074
1117-B

Rhipsalis funalis

H&S M.

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GENERAL REGULATIONS

FOR THE

FOREIGN EXHIBITORS AND COMMISSIONS.

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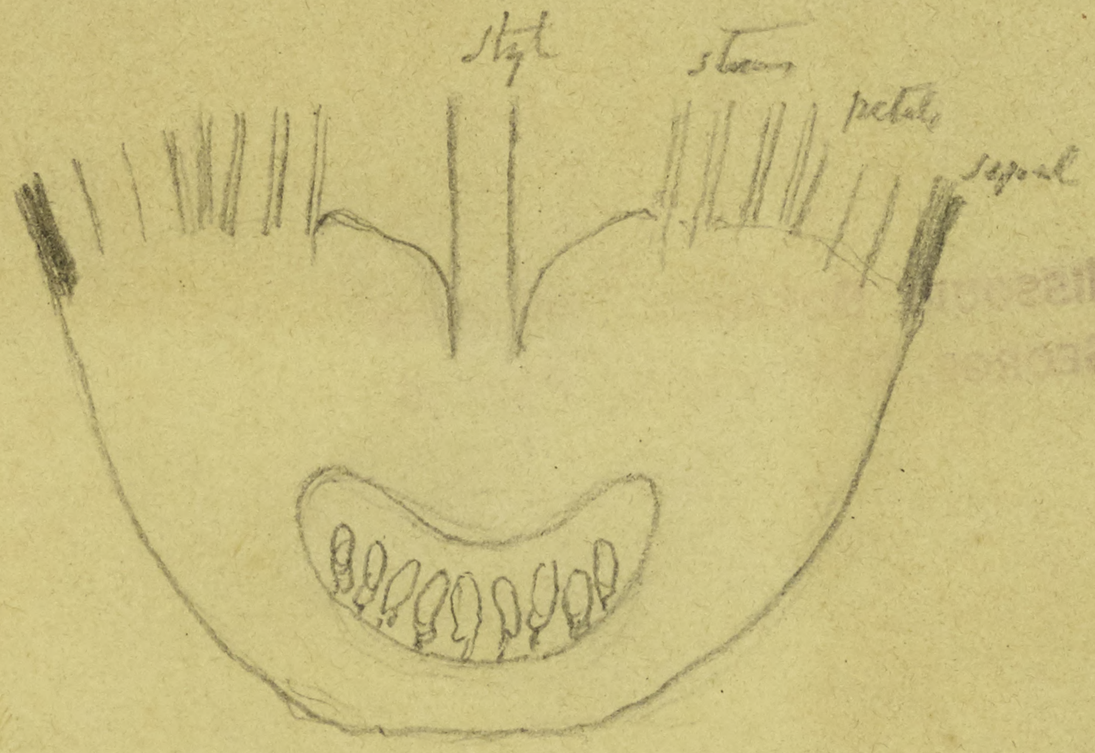
Rhipsalis

H B Nursiorum

May 10 1873



Vertical sect of ovary X10

showing erect placenta

2308

0 1 2 3 4 5 6 7 8 9 10
cm
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MISSOURI BOTANICAL GARDEN

ALEX. LEITCH,

APOTHECARY & PHARMACEUTIST,

Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

MISSOURI BOTANICAL GARDEN
ENGELMANN PLATES

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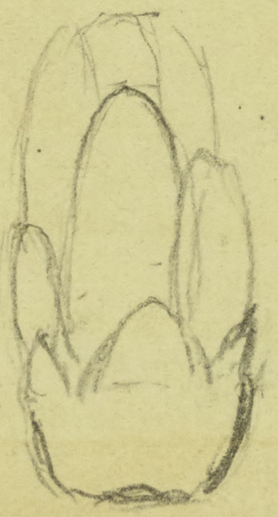
Abipoalis *conferta* Salm March 19 1877

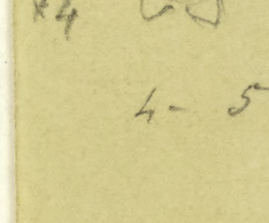
Shaws Garden

2309

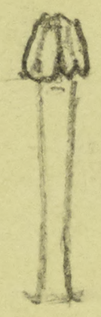
×4



after full ♂ flow areola, stamens bents and a scurdy(?) bunt



×4



4 stigmata erect conic (in bud only?)

stamens over 30

4- 5 sepals, 45 petals

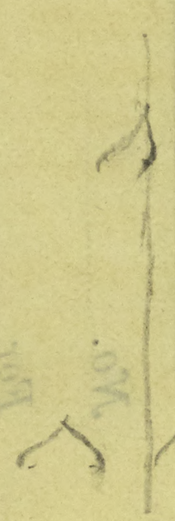
fl. 8-10 m m diam when fully open.

ovary shorter than wide with or without a single scale

very short

3-12 branches in a terminal verticil

stigma 3-4 or even 5 spreading ± open flower



×10

leaves broadly triangular, very loosely shrivelling, but persist

0 1 2 3 4 5 6 7 8 9 10
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Deutsche Apotheke.

GEO. UDE,

Apothecary and Druggist

No. 3610 North 10th Street,

Between Mallinckrodt and Salisbury, **ST. LOUIS, MO.**

No. *187*

For .....

℞.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

cm 0 1 2 3 4 5 6 7 8 9 10
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Bushy plants, with 3 to 8 branches, with and without buds.

Collection of only first-rate varieties.

		s.	d.
12	fine varieties named (L. VH's selection).	16	„
25	— — — —	32	„
50	— — — —	60	„
100	— — — —	112	„

Nos

4. **Hilarissima.** Ground white, shaded with lilac rose and spotted with chrome yellow, trusses medium-sized.
14. **Gloria mundi.** Vermilion, upper lobes entirely spotted with apricot yellow, good-sized trusses of very large flowers.
28. **Decus hortorum.** Salmon red, largely spotted with chrome yelllow and edged with blood red, rich-flowering, good-sized trusses of very large flowers.
75. **Ardentissima.** Deep vermilion, very lively red in the centre, large trusses of very large flowers.
141. **Souvenir de Royghem.** Lively rose, upper lobes spotted with canary yellow, large trusses of very large flowers.
150. **Prince Henri des Pays-Bas.** Blood red, large trusses of large flowers.
151. **Guillaume II.** Very large trusses of very large flowers, of a bright orange, spotted with very deep orange, tips white.
152. **Triomphe de Royghem.** Salmon orange, spotted with golden yellow, truss large, flowers medium-sized.
153. **Queen Victoria.** Magenta rose, shaded with white and spotted with lively orange, flowers large.
154. **Marie Dorothée.** Rosy white, edged with lively rose, upper lobes spotted with lemon yellow, trusses large, flowers medium-sized.

2309A
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yellow, very

175. **Rosea lineata**. Lilac rose, spotted with chrome yellow, very large truss of large flowers.
176. **Cuprea grandiflora.** Salmon orange rose, heavily spotted with yolk yellow, large trusses of large flowers.
177. **Mad. Malibran**. Tender rose, merging into cream white and spotted with golden yellow, very large trusses of medium-sized flowers.
178. **Wilhelmine**. Salmon, shaded with orange, upper lobes golden yellow, very large trusses of very large flowers.
182. **Comtesse de Beaufort**. Bright scarlet, spotted with deep yellow and edged with red, large trusses of large flowers.
183. **Comte de Flandre**. Dark carmine, flowers large.
184. **Reine Louise**. Carmine red with yellow spots, flowers large.
186. **Ambroisie**. Vermilion orange, spotted with chrome yellow, large trusses of medium-sized flowers.
187. **Aurantiaca elegans.** Orange red, spotted with golden yellow, medium-sized trusses of large flowers.
188. **Météore**. Brilliant red, spotted with deep yellow, medium-sized trusses of large flowers.
189. **Sophie Boutez**. Tender rose, veined with amaranth and spotted with cream.
190. **Adolphine.** Lemon-coloured with darker spots.
191. **Rosea delicata.**
194. **Antoinette**. Very lively red, spotted with greenish yellow, large truss of medium-sized flowers.
195. **Versicolor.** Salmon, shaded with cream yellow and spotted with golden yellow, very large trusses of large flowers.
196. **Gloriosa perfecta.** Copper red, spotted with golden yellow, large trusses of large flowers.
199. **Aurantiaca maculata.** Orange, shaded with red and spotted with yellow, very large trusses of large flowers.
227. **Marie Verschaffelt.** Enormous trusses of white and red flowers.

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